

## **Planning and Navigation Assistance using Two-dimensionally Adapted Generic and Detected Patient Data**

### **ABSTRACT**

5           A method for computer-assisted medical navigation and/or pre-operative  
treatment planning includes detecting the current position of a patient or a part of  
a patient's body and the positions of medical treatment devices or  
treatment-assisting devices. The detected positional data can be assigned to  
body structure data, in order to jointly use the body structure data in assignment  
10 with the positional data, within the context of assisting the treatment. The body  
structure data can be used which is obtained based on a three-dimensional  
generic model, where the model is adapted by two-dimensional data linking with  
patient-characteristic, two-dimensional detection data.